

**TABLE 1**  
**RESULTS FROM STORMWATER FILTRATION AND PCB TESTING**  
**NORTH BOEING FIELD, SEATTLE, WA**

Testing Results	Unused (Blank) Filter Bag (a)	Lift Station Filter Bag GW37A 7/20/04	Lift Station Filter Bag GZ95A 8/25/04	No. 178 Filter Bag H107A 11/8/04	No. 461 Filter Bag HK09A 11/24/04	No. 482 Filter Bag HM41A 12/13/04	Lift Station Filter Bag HY30A 4/16/05	No. 130 Filter Bag IO99A 10/11/05	No. 114 Filter Bag IQ99A 10/19/05	CB 173 Filter Bag IT46A 11/15/05	Lift Station Filter Bag KL59A 11/17/05	CB 165 Filter Bag KL59B 1/22/07	MH 160 Filter Bag KL89A 1/22/07	MH 162 Filter Bag KL89C 1/22/07	MH 138 Filter Bag KL89D 1/22/07	CB-165 KM56A 1/26/07
<b>Measured Concentration in Filter</b>																
Arcoior 1016 (µg/kg, unless noted)	1.6 U	73 U	68 U	74 U	4.1 U	24 U	180 U	81 U	38 U	48 U	0.5 U	150 U	5.0 U	570 U		
Arcoior 1242 (µg/kg, unless noted)	1.8 U	73 U	68 U	74 U	12 U	24 U	130 U	81 U	38 U	48 U	24 U	150 U	5.0 U	570 U		
Arcoior 1243 (µg/kg, unless noted)	1.6 U	73 U	68 U	74 U	12 U	24 U	260 U	750	220	48 U	6.5 U	500	400	37	1,600	
Arcoior 1254 (µg/kg, unless noted)	3.2 U	76 J	270	90	22	67	310	670	510	510,000	28	820	540	72	1,400	
Arcoior 1260 (µg/kg, unless noted)	1.6 U	73 U	120	74 U	18	60	88 U	81 U	440	48 U	0.5 U	150 U	150 U	5.0 U	570 U	
Arcoior 1271 (µg/kg, unless noted)	1.0 U	73 U	68 U	74 U	8.2 U	24 U	88 U	81 U	38 U	48 U	0.5 U	150 U	150 U	5.0 U	570 U	
Arcoior 1232 (µg/kg, unless noted)	1.5 U	140 U	68 U	74 U	8.2 U	24 U	220 U	81 U	230 U	48 U	0.5 U	150 U	5.0 U	570 U		
<b>Mass of:</b>																
Unused Filter with Ring (grams)	62.46	62.46	62.46	62.46	62.46	62.46	62.46	62.46	62.46	62.46	72.91 (d)	72.91 (d)	62.46	62.46	62.46	
Used Dried Filter (without ring) (grams)	—	91.07	66.94	82.83	134.38	217.44	130.81	142.39	283.59	1,059.26	96.97	123.44	74.14	99.39	270.9	
Used Dried Filter (ring removed) (grams)	—	—	68.9	73.80	67.58	121.82	205.15	114.27	123.86	260.43	1,041.22	74.36	—	100.61	81.88	54.62
Total Solids Filtered (grams)	—	28.51	24.48	20.37	71.92	154.98	68.15	79.93	221.13	996.8	24.06	50.53	56.02	36.93	11.68	208.44
Volume of Stormwater Filtered (gallons)	—	2,484	2,456	26,165	172,883	87,605	214,129	62,285	67,230	21,718	162	1,300	45,269	8,964	533	7,141
TSS in Stormwater (mg/L) (b)	—	3.0	2.6	0.2	0.1	0.5	0.1	0.3	0.9	12	39	10.3	0.3	1.1	5.8	7.7
<b>Arcoior 1248</b>																
Calculated Amount in Stormwater (µg/1,000 gal water)	—	< 2.02 U	< 2.04 U	< 0.19 U	< 0.01 U	< 0.06 U	< 0.14 U	1.49	0.85	< 2.30 U	146	385	11	45	69	224
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	< 176 U	< 205 U	< 246 U	< 20 U	< 32 U	< 436 U	1,163	259	< 50 U	998	9,895	8,568	10,831	3,168	7,676
Calculated Concentration in Filtered Solids TOC Normalized (mg/kg organic carbon)	—	< 5.6 U	< 6.4 U	< 7.6 U	< 0.6 U	< 1.0 U	< 13.5 U	36.1	8.0	< 16 U	31.0	307	268	336	98	236
<b>Arcoior 1284</b>																
Calculated Amount in Stormwater (µg/1,000 gal water)	—	2.1 J	8.1	0.2	0.02	0.2	0.165	1.33	2.0	24,500	173	477	12	50	135	196
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	163 J	814	299	37	99	620	1,039	601	533,000	1,164	12,270	9,639	12,185	6,164	6,717
Calculated Concentration in Filtered Solids TOC Normalized (mg/kg organic carbon)	—	6 J	25	9	1.2	2.8	16	32.2	18.6	16,500	36.1	361	299	376	191	209
<b>Arcoior 1286</b>																
Calculated Amount in Stormwater (µg/1,000 gal water)	—	< 2.0 U	3.6	< 0.2 U	0.013	0.14	< 0.05 U	0.2 U	1.70	< 2.3 U	< 3 U	< 115 U	< 3 U	< 17 U	< 9 U	< 80 U
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	< 176 U	362	< 246 U	30	79	< 148 U	< 126 U	518	< 50 U	< 21 U	< 2,969 U	< 2,578 U	< 4,062 U	< 428 U	< 2,736 U
Calculated Concentration in Filtered Solids TOC Normalized (mg/kg organic carbon)	—	< 5 U	11	< 6 U	0.84	2.5	< 6 U	< 3.9 U	16.1	< 1.6 U	< 0.6 U	< 921 U	< 83.1 U	< 126.1 U	< 13.3 U	< 84.0 U
<b>Total Detected PCBs in Filtered Solids (mg/kg organic carbon)</b>																
SQ5 for Total PCBs (mg/kg organic carbon)	—	6	36	9	2.1	5.3	16	68.3	42.7	16,500	67.1	688	565	714	280	447
<b>Sediment Management Standards</b>																
SQ5 for Total PCBs (mg/kg organic carbon)	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CSL for Total PCBs (mg/kg organic carbon)	—	65	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated TOC in Slop 4 (% organic carbon) (c)	—	3.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3/30/2007V:\LDWLWD\_Source\_Control\EA\_Sites\EA3-Slip\_4\NBFSW\_Filtration\_Sampling\032707\_Boeing\_emailNBF Filter Data 3-23.xls PCB Results

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**TABLE 1**  
**RESULTS FROM STORMWATER FILTRATION AND PCB TESTING**  
**NORTH BOEING FIELD, SEATTLE, WA**

Testing Results	Unused (Blank) Filter Bag (a)	MH-162 KM26B 1/26/07		MH-158 KM26C 1/26/07		MH-169 KM26D 1/26/07		LR Station KM25A 2/1/07	MH-175 KM25B 2/1/07	MH-195 KM26A 3/9/07
		Total mass (ug)	Total mass (ug)	Total mass (ug)	Total mass (ug)	Total mass (ug)	Total mass (ug)			
<b>Measured Concentration In Filter</b>										
Aroclor 1016 (µg/kg, unless noted)	1.6 U	140 U	140 U	240 U	15 U	15 U	15 U			
Aroclor 1242 (µg/kg, unless noted)	1.6 U	140 U	140 U	240 U	15 U	15 U	15 U			
Aroclor 1240 (µg/kg, unless noted)	1.0 U	—	—	1,440 P	50 J	50 J	50 J			
Aroclor 1254 (µg/kg, unless noted)	3.2 U	650	320	1,200	37 J	42	830			
Aroclor 1280 (µg/kg, unless noted)	1.6 U	140 U	140 U	240 U	15 U	15 U	15 U			
Aroclor 1221 (µg/kg, unless noted)	1.6 U	140 U	140 U	240 U	15 U	15 U	15 U			
Aroclor 1232 (µg/kg, unless noted)	1.6 U	140 U	140 U	240 U	15 U	15 U	15 U			
<b>Mass of:</b>										
Unused Filter with Ring (grams)	62.46	62.46	62.46	62.46	62.46	62.46	62.46			
Used Dried Filter (w/outport ring) (grams)	—	110.7	91.25	134.18	89.35	121.09	129.30			
Used Dried Filter (ring removed) (grams)	—	—	—	—	—	—	—			
Total Solids Filtered (grams)	48.24	28.79	71.72	26.89	58.63	66.84	—			
Volume of Stormwater Filtered (gallons)	—	13,880	306	57,130	1,014	52,270	143,387			
TSS in Stormwater (mg/L) (b)	—	0.9	25	0.3	7.0	0.3	0.1			
<b>Aroclor 1248</b>										
Calculated Amount in Stormwater (µg/1,000 gal water)	—	42	656	25	49	0	4			
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	12,023	5,905	19,520	1,859	256 U	8,977			
Calculated Concentration in Filtered Solids TOC	—	373	183	606	58	8 U	279			
<b>Aroclor 1264</b>										
Calculated Amount in Stormwater (µg/1,000 gal water)	—	48	1,046	21	36	1	4			
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	13,474	11,115	16,732	1,376	716	9,425			
Calculated Concentration in Filtered Solids TOC	—	418	345	519	43	22	293			
<b>Aroclor 1260</b>										
Calculated Amount in Stormwater (µg/1,000 gal water)	—	< 10 U	< 458 U	< 4 U	< 15 U	< 0 U	< 1 U			
Calculated Concentration in Filtered Solids (µg/kg dry weight)	—	< 2,902 U	< 4,863 U	< 3,346 U	< 558 U	< 256 U	< 2,244 U			
Calculated Concentration in Filtered Solids TOC	—	< 90.1 U	< 150.9 U	< 103.9 U	< 17.3 U	< 7.9 U	< 69.7 U			
Total Detected PCBs In Filtered Solids (mg/kg organic carbon)	791	528	1,125	100	30	571	—			
<b>Sediment Management Standards</b>										
SGS for Total PCBs (mg/kg organic carbon)	12	—	—	—	—	—	—			
CSL for Total PCBs (mg/kg organic carbon)	65	—	—	—	—	—	—			
Estimated TOC in Slip 4 (% organic carbon) (c)	3.22	—	—	—	—	—	—			

**Notes:**  
U = The compound was not detected at the given reporting limit.  
J = The compound was detected; the reported value is an estimate.  
P = The compound was detected, but the quantified values differ between the chromatograms by at least forty percent.  
TSS = Total Suspended Solids.  
TOC = Total Organic Carbon.  
PCB = Polychlorinated Biphenyls.  
SGS = Sediment Guidance Standard.  
CSL = Cleanups Screening Level.  
(a) Detection limits for unused filter bag converted from µg to µg/kg using filter bag mass of 62.46 g.  
(b) TSS concentration calculated using mass of solids filtered and volume of stormwater filtered.  
(c) Calculated using the average of the five closest Slip 4 surface sediment TOC results.  
(d) Double-ring type filter bag.